



## WATER-EFFICIENT DESIGN AND MAINTENANCE CHECKLIST

Project Site Address: \_\_\_\_\_

### Required Submittals (check if completed)

- ☐ 1. Water-Efficient Design and Maintenance Checklist
- ☐ 2. Landscape Design Plan
- ☐ 3. Irrigation Design Plan
- ☐ 4. Water Budget Calculation Worksheet (NOT needed if Plant-Type Restriction Option is chosen)
- ☐ 5. Certification of Installation (Within 60 days of installation)

### Landscape Design Plan Requirements

Parameter	Requirements	Completed
Plantings	Plant Table included in plan with plant symbol, common name, botanical name, container size, quantity, type (e.g., grass, succulent, vine, shrub, tree), water-efficient species identification (low, moderate, high) and unique physical specifications of plants, if applicable.	<input type="checkbox"/>
	Plant types are assigned appropriate water-use levels based on the WUCOLS species evaluation list (i.e., "turf" is not assigned a "low"-water use).	<input type="checkbox"/>
	Avoid invasive plants in plan. See list of invasives provided in WUCOLS Appendix B.	<input type="checkbox"/>
	Square footages of planted areas and water features (i.e., fountains and pools) noted on the Landscape Design Plan and match those listed in Compliance Option 1 calculations on Page 2, if applicable.	<input type="checkbox"/>
Turf	Turf areas are at least 8' wide.	<input type="checkbox"/>
	Turf is not planted on slopes of 25 percent grade or more.	<input type="checkbox"/>
	Turf is at least 24" away from nonpermeable hardscape (except internal pathways), unless watered with subsurface drip irrigation.	<input type="checkbox"/>
Special Landscape Areas	Areas identified as SLAs meet the definition of a Special Landscape Area: <i>An area of landscape dedicated solely to edible plants, areas irrigated with nonpotable water, water features using nonpotable water and areas dedicated to active play (parks, sports fields, golf courses). SLAs DO NOT INCLUDE front-yard and backyard lawns of private residences or water features (i.e., fountains and pools) that use potable water.</i>	<input type="checkbox"/>
Hydrozones	Plants are grouped by hydrozone (similar water needs, sun exposure, slope, soil).	<input type="checkbox"/>
	Hydrozones, including SLAs, are delineated and labeled with square footages.	<input type="checkbox"/>
	Hydrozones are labeled as low, moderate, high or mixed (low/moderate) water use.	<input type="checkbox"/>
	High-water-use plants are confined to their own hydrozones (not mixed with plants with low- or moderate-water needs).	<input type="checkbox"/>
	Single hydrozones with both low- and moderate-water-use plants are labeled "mixed."	<input type="checkbox"/>
	Hardscapes are identified.	<input type="checkbox"/>
	Square footages for hydrozones, water features, and SLAs on plan match those listed on the Water Budget Calculation Worksheets (if Compliance Option 2 is chosen).	<input type="checkbox"/>
Mulch	Mulch is at least 3" deep on exposed soil surfaces. Depth and type of mulch is noted in plan.	<input type="checkbox"/>
Water Features	Recirculating (if water features are included in plan).	<input type="checkbox"/>
	Pool/spa cover (if pool/spa is included in plan).	<input type="checkbox"/>
Grading and Stormwater Management	Grading contours and quantities shown on Landscape Design and/or Irrigation Design Plan.	<input type="checkbox"/>
	Grading meets applicable requirements of City Standard Design Criteria.	<input type="checkbox"/>
	Stormwater management practices are incorporated appropriately.	<input type="checkbox"/>

## Irrigation Design Plan Requirements

Parameter	Requirements	
Design	Irrigation system is designed to avoid overspray and runoff.	<input type="checkbox"/>
	Overhead irrigation is NOT used in the following locations: on slopes greater than 25 percent (except in defined amphitheaters), within 24" of a nonpervious surface (except for internal pathways) or in any narrow or irregularly shaped area that is less than 8' in width in any direction. **	<input type="checkbox"/>
	Each irrigation valve waters only one type of hydrozone.	<input type="checkbox"/>
Equipment	Location, type and size of all irrigation system components are noted in plan. Components may include controllers, main and lateral lines, valves, sprinkler heads, quick couplers, pressure regulators and backflow prevention devices.	<input type="checkbox"/>
	Automatic irrigation controllers are included and noted in plan.	<input type="checkbox"/>
	Rain sensor shut-off devices are included and noted in plan.	<input type="checkbox"/>
	Location and size of dedicated irrigation meter is noted (if landscape area is greater than 2,500 square feet, or if over 5,000 square feet for single-family homes).	<input type="checkbox"/>
	Static water pressure at point of connection to public water supply is noted in plan.	<input type="checkbox"/>
	Flow/application rate and operating psi for each station is noted in plan.	<input type="checkbox"/>
Scheduling	Proposed irrigation schedule is provided.	<input type="checkbox"/>
	System only operates between 8:00 p.m. and 10:00 a.m.	<input type="checkbox"/>

\*\* NOTE: "Overhead irrigation" means rotors (e.g., spray or stream).

## Compliance Option Requirements

Option 1: Plant-Type Restriction	<input type="checkbox"/>	(complete calculations below)
or		
Option 2: Water Budget	<input type="checkbox"/>	(see checklist on next page)

## Option 1: Plant-Type Restriction Requirements

		Enter Square Footage	Equation Symbol
SLA	Total Area		-
Non-SLA	<i>Turf</i> (and other high-water-use plants)		A
	<i>Water Features</i>		B
	<i>Other</i>		-
	Total Area		C

Plant-Type Restriction Compliance:  $\left( \frac{A+B}{C} \right) * 100\% \leq 25\%$

Please show your work:  $\left( \frac{\quad + \quad}{\quad} \right) * 100\% = \quad\%$

Total area of high-water-use plantings is less than 25 percent of the non-SLA landscape area (see calculation).	<input type="checkbox"/>
At least 80 percent of nonturf planted area is native or low-water-use plants.	<input type="checkbox"/>

## Option 2: Water Budget Calculation Requirements

A water budget calculation is NOT required if plans comply with Compliance Option 1.

Water Budget Calculation worksheets are available in hard copy at the City of Mountain View's Planning office or on-line:  
[http://www.mountainview.gov/city\\_hall/community\\_development/planning](http://www.mountainview.gov/city_hall/community_development/planning)

Parameter	Requirements
Compliance	Water Budget Calculation worksheet completed and printed for submission. <input type="checkbox"/>
	Landscape's water use is within budget: MAWA $\geq$ ETWU. <input type="checkbox"/>
Appropriate Labeling	Plant factors in Water Budget Calculation worksheet are assigned as follows: 0.3 for low-water-use plants; 0.5 for moderate-water-use plants; and 0.8 for high-water-use plants. "Mixed" hydrozone areas are considered moderate-water-use areas and are assigned a plant factor of 0.5. <input type="checkbox"/>
	Irrigation methods are assigned appropriate water-use levels (e.g., spray is not assigned an irrigation efficiency of 0.90). <input type="checkbox"/>

I certify that information provided on this checklist is correct and meets the specified requirements of the Water Conservation in Landscaping Regulations.

**X**

\_\_\_\_\_  
Signature of Project Applicant or Authorized Representative

\_\_\_\_\_  
Date

## Landscape and Irrigation Maintenance Checklist

Pursuant to the City of Mountain View's Water Conservation in Landscaping Regulations, landscapes and irrigation systems shall be maintained to ensure successful establishment following installation, and to ensure the efficient use of water. Maintenance shall be performed regularly and must include, at a minimum, the following components:

Parameter	Components
Irrigation System	System check (every six months) <input type="checkbox"/>
	Routine inspection (monthly) <input type="checkbox"/>
	Adjustment and repair <input type="checkbox"/>
	Failed irrigation hardware components shall be replaced with the same or functionally equivalent components <input type="checkbox"/>
Landscape	Replenish mulch <input type="checkbox"/>
	Fertilize <input type="checkbox"/>
	Prune <input type="checkbox"/>
	Weed control <input type="checkbox"/>
	Pest control <input type="checkbox"/>
	Aeration and dethatching of turf areas <input type="checkbox"/>
	Failed plants shall be replaced with the same or functionally equivalent plants <input type="checkbox"/>

To the best of my ability, the landscape and irrigation systems installed as part of this project will be maintained on a regular basis and in compliance with the Water Conservation in Landscaping Regulations.

**X**

\_\_\_\_\_  
Signature of Project Applicant or Authorized Representative

\_\_\_\_\_  
Date